

## **Third Quarter 2015 Financial Results**

November 5, 2015



## Agios Conference Call Participants

#### **Prepared Remarks**

Introduction

- RENEE LECK, Sr. Manager, Investor & Public Relations

Corporate Strategy and Vision

- DAVID SCHENKEIN, M.D., Chief Executive Officer

**Clinical Development Updates** 

- CHRIS BOWDEN, M.D., Chief Medical Officer

Third Quarter Year Financial Results

- GLENN GODDARD, SVP Finance



## Cautionary Note Regarding Forward-Looking Statements

This presentation and various remarks we make during this presentation contain forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995, including those regarding Agios' expectations and beliefs about: the potential of IDH1/IDH2 and pyruvate kinase-R mutations as therapeutic targets; the potential benefits of Agios' product candidates targeting IDH1/IDH2 or pyruvate kinase-R mutations, including AG-221, AG-120, AG-881, AG-348 and AG-519; its plans and timelines for the clinical development of AG-221, AG-120, AG-881, AG-348 and AG-519; its plans regarding future data presentations; its financial guidance regarding the amount of cash, cash equivalents and marketable securities that the company will have as of December 31, 2015, and the potential benefit of its strategic plans and focus. The words "anticipate," "believe," "estimate," "expect," "intend," "may," "plan," "predict," "project," "would," "could," "potential," "possible," "hope" and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Such statements are subject to numerous important factors, risks and uncertainties that may cause actual events or results to differ materially from Agios' current expectations and beliefs. For example, there can be no guarantee that any product candidate Agios is developing will successfully commence or complete necessary preclinical and clinical development phases, or that development of any of Agios' product candidates will successfully continue. There can be no guarantee that any positive developments in Agios' business will result in stock price appreciation. Management's expectations and, therefore, any forward-looking statements in this presentation or the various remarks made during this presentation could also be affected by risks and uncertainties relating to a number of other important factors, including: Agios' results of clinical trials and preclinical studies, including subsequent analysis of existing data and new data received from ongoing and future studies; the content and timing of decisions made by the U.S. FDA and other regulatory authorities, investigational review boards at clinical trial sites and publication review bodies; Agios' ability to obtain and maintain requisite regulatory approvals and to enroll patients in its planned clinical trials; unplanned cash requirements and expenditures; competitive factors; Agios' ability to obtain, maintain and enforce patent and other intellectual property protection for any product candidates it is developing; Agios' ability to maintain key collaborations, such as its agreement with Celgene, and general economic and market conditions. These and other risks are described in greater detail under the caption "Risk Factors" included in Agios' Annual Report on Form 10-Q for the guarter ended June 30, 2015, and other filings that Agios may make with the Securities and Exchange Commission in the future. Any forward-looking statements contained in this presentation or in remarks made during this presentation speak only as of the date hereof, and Agios expressly disclaims any obligation to update any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.



## **Corporate Strategy and Vision**

#### DAVID SCHENKEIN, M.D.

Chief Executive Officer



## Agios 2015



Five clinical stage investigational medicines with possibility to help a large number of genetically identified patients



Two investigational medicines accelerating towards approval and commercialization



A robust and novel preclinical pipeline in both cancer and RGDs



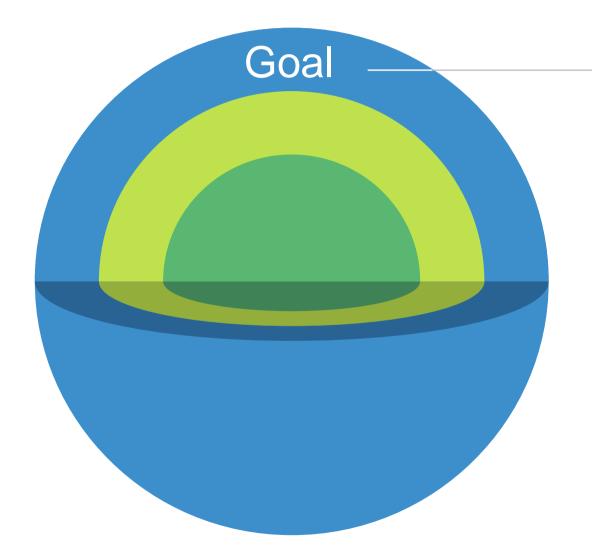
An organization preparing for commercialization



A passion to help patients and follow great science



### What's Possible for IDHm Patients



All IDHm patients screened and treated with an IDHm inhibitor for the entire course of their disease



### Novel First-in-Class Clinical Portfolio

Candidate	Indication	Early Stage Clinical Development	Late Stage Clinical Development	Primary Commercial Rights
	R/R AML	Phase 3		
	R/R AML	Phase 1 Dose Escalation Expa	nsion Cohorts	
AG-221	Frontline AML	Phase 1b Combinations (Q4'15)		Celgene
(IDH2m inhibitor)	Frontline AML	Phase 1/2 Combinations (Q1'16)		
	MDS/HemeMalig	Phase 1 Expansion		
	Solid Tumors	Phase 1 Dose Escalation		Agios U.S. Co-promotion and Royalty
	AML	Phase 3 (1H	'16)	
	R/R AML	Dose Escalation Expa	nsion Cohorts	2010S Celegene
AG-120 (IDH1m inhibitor)	MDS/HemeMalig	Phase 1 Expansion		
	Frontline AML	Phase 1b Combinations (Q4'15)		U.S. Rights EX-U.S.
	Frontline AML	Phase 1/2 Combinations (Q1'16)		
	Solid Tumors	Phase 1 Dose Escalation		
AG-881	R/R AML	Phase 1 Dose Escalation		2 2 gios celgene
(pan-IDHm inhibitor)	Solid Tumors	Phase 1 Dose Escalation		Joint Worldwide Collaboration
				•
AG-348 (PK (R) Activator)	PK Deficiency	Phase 2 DRIVE PK		≈ agios
AG-519 (PK (R) Activator)	PK Deficiency	Phase 1 (Q1'16)		∼ agios

### Novel First-in-Class Research Portfolio

		Target Validation Compound Optimization
0	Cancer Metabolism	Target C
Wave Two	Cancer wetabolism	Multiple Other Oncology Targets
Wa	Rare Genetic Metabolic Disorders	Multiple RGD Targets
/e Three	Cancer Metabolism	Multiple Oncology Targets
Wave	Rare Genetic Metabolic Disorders	Multiple RGD Targets



## Clinical Development Updates: Cancer Metabolism

CHRIS BOWDEN, M.D.

**Chief Medical Officer** 



# Development Program Targets Multiple Lines of Treatment from R/R to Frontline AML

Relapsed	Newly Diagnosed (Untreated)	<b>IDHmAML</b>	
2nd+ Relapse	Intensive	Non-Intensive	Į –
Phase 1 AG-221 Expansion	Phase 1 Induction (7+3) +	Phase 1→ 2 VIDAZA® +	
	AG-221 or AG-120	AG-221 or AG-120	Ongoing
Phase 1 AG-120 Expansion			Planned
Phase 3 AG-221 vs SOC "IDHENTIFY"			



IDHENTIFY: Global Phase 3 Study to Evaluate the Efficacy of AG-221 in IDH2m R/R AML

#### **KEY INCLUSION**

- $\geq$  60 years
- IDH2m
- R/R AML after 2<sup>nd</sup>/3<sup>rd</sup>
   line

#### STRATIFIED BY

- Prior intensive therapy
- Prior refractory
- Prior HSCT

## AG-221/CC-90007 • Starting 100 mg QD

- AG-221 + BSC
- 28 day cycles

Randomization

:-

#### COMPARATOR

- Best Supportive Care (BSC)
- VIDAZA® + BSC
- Low dose Ara-C + BSC
- Intermediate Dose Ara -C + BSC

### 1° ENDPOINT

• OS

KEY 2° ENDPOINTS

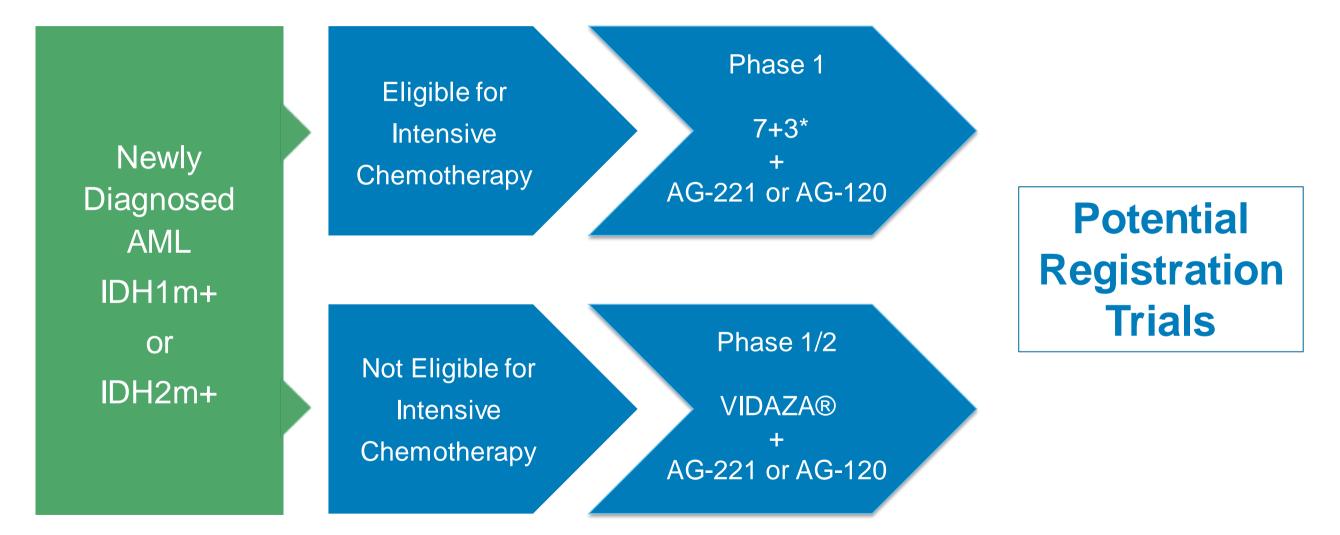
- EFS
- ORR
- Duration of response
- 1-yr survival
- CR rate
- Safety

#### • 280 patients

• No crossover

#### Phase 3 for AG-120 also planned for 1H16

## Frontline Therapy: Novel Clinical Development Strategies



<sup>12</sup> \*7+3-Ara-C (Days 1-7), Daunorubicin or Idarubicin (D1-3)

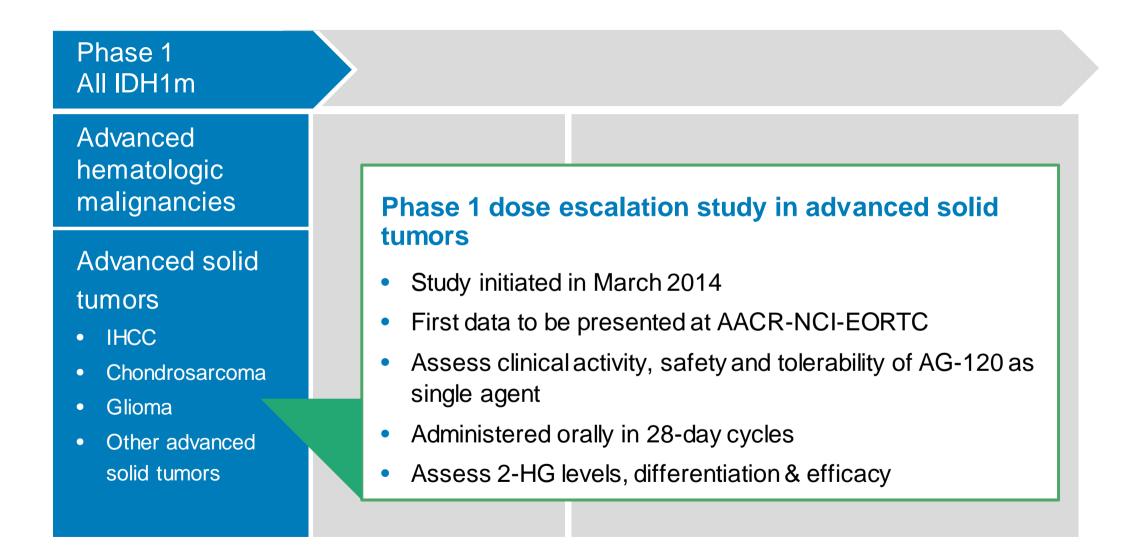


## What's Next at ASH

- 7 abstracts accepted
  - Four for AG-221 and AG-120, including new data from dose escalation and expansion cohorts
  - Three for PK deficiency program, including PK/PD data for AG-348 and natural history study findings



# AG-120: Current Development Status in Advanced Solid Tumors





### Goal is to Explore AG-120 and AG-221 in IDHm Solid **Tumors**

uniors			CVALIF 2 triangy
	Glioma	Intrahepatic Cholangiocarcinoma (IHCC)	Chondrosarcoma
	Low grade and 2ary GBM	Bile ducts	Cartilage
Incidence (cases/year U.S.)	5K	2K – 4K	700-1000
Prevalence (U.S.)	24K	5K	
IDH1m frequency	68-74%	11-24%	40-52%
IDH2m frequency	3-5%	2-6%	6-11%
Treatment options	Surgery, XRT Chemotherapy	Surgery, Chemotherapy Liver transplantation	Surgery, XRT Chemotherapy
5-year O/S	~32-68%*	~9%	~10-90%

Other solid tumor types include colon, melanoma, lung, ovarian.

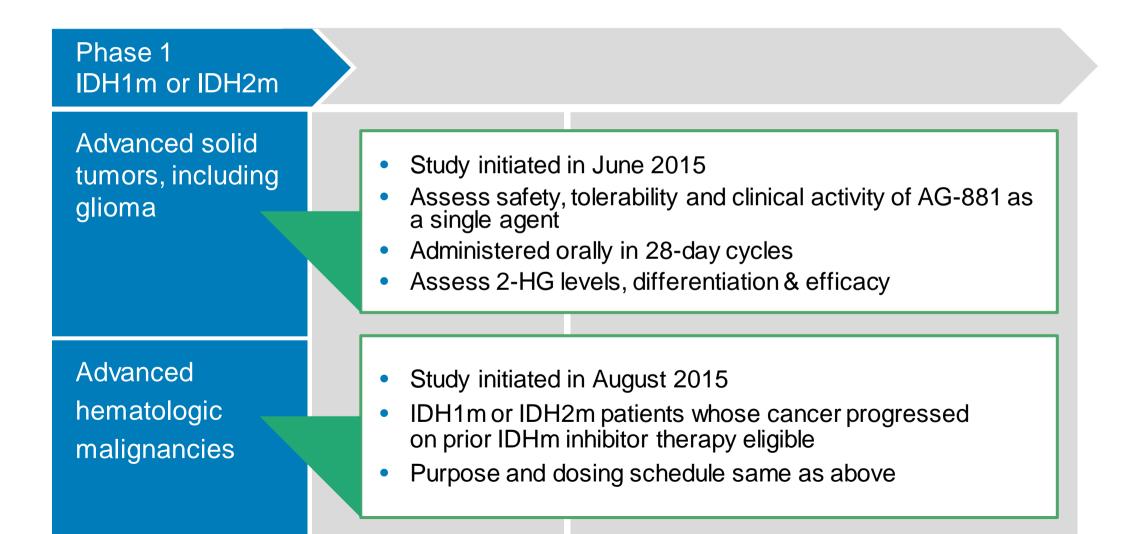
Multiple sources, including market research and SEER. Estimates will continue to evolve with additional future data

\*excludes primary GBM

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## AG-881: Brain Penetrant, Pan-IDHm Inhibitor

Two Phase 1 Studies Ongoing





## Clinical Development Updates: Rare Genetic Metabolic Disorders

CHRIS BOWDEN, M.D.

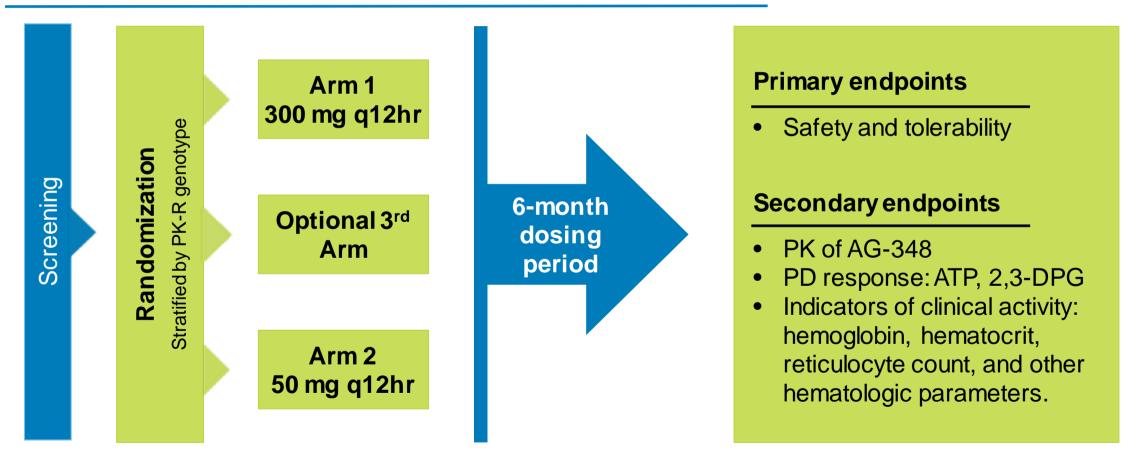
Chief Medical Officer



# Global Phase 2 DRIVE PK Study Open and Enrolling



Transfusion-independent PK-deficient adults n=25 in each arm





## Follow-on PKR Activator AG-519

Healthy Volunteer Study to Open in 1Q 2016

- AG-519 is a potent, highly selective and oral PKR activator
- Differentiated chemical structure vs. AG-348
- No activity against the aromatase enzyme
- Similar activity in vitro, in vivo and ex vivo relative to AG-348

#### One protocol, two steps, healthy volunteers

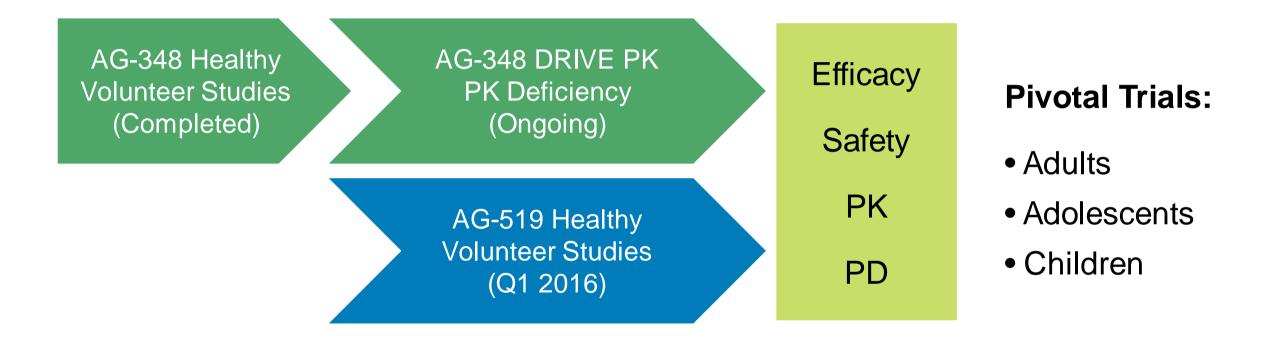
#### Step 1: Integrated SD-MD

- 4 dose-ascending cohorts:
   8 subjects per cohort (n=32)
- Placebo controlled (6A, 2P)

Step 2: Bioavailability and Food Effect Study



## AG-519 Provides Optionality for Clinical Development



Clinical data from AG-519 and AG-348 trials will determine late stage development path



## Natural History Study Designed to Inform Development



First data presented in June 2015 at EHA

Additional data to be presented at ASH in Dec. 2015 Key objectives:

- Understanding the disease, including range of symptoms and complications:
  - Transfusion burden
  - Patient reported outcome measures
  - Incidence and timing of splenectomy
  - Prevalence and treatment of iron overload
  - Prevalence of co-morbidities
- Identifying patients and treatment centers
- Capturing retrospective/prospective clinical data, QoL measures and genetic diagnostic information



## Selected Third Quarter Financial Results & 2015 Guidance

**GLENN GODDARD** 

SVP, Finance



## Third Quarter 2015 Selected Financial Summary

Balance Sheet	September 30, 2015	December 31, 2014
Cash, cash equivalents and marketable securities	\$408.0M	\$467.4M
Total Assets	\$449.1M	\$491.9M
Statement of Operations	September 30, 2015	September 30, 2014
Statement of Operations Collaboration Revenue(1)	September 30, 2015 \$5.5M	September 30, 2014 \$33.9M

- (1) Collaboration revenue decreased due to the July 2014 amendment of the 2010 collaboration agreement with Celgene requiring the application of new accounting guidance during the three months ended September 30, 2014.
- (2) During 1Q15, the Company began offsetting R&D expense for amounts received from Celgene for reimbursement of costs related to our IDH programs. R&D expense reported for the three months ended June 30, 2015 is presented net of \$7.8 million, compared to no offset for cost reimbursement for the comparable period in 2014.

Expect to end 2015 with cash position of more than \$350M Does not include any additional program-specific milestone payments

### Making a Difference for Patients & Building Long-Term Value



